Insertion Sort

```
#include <iostream>
using namespace std;

void insertionSort(int array[], int size)
{
  for (int i = 1; i < size; i++)
  {
    int temp = array[i];
    int j = i - 1;

    while (temp < array[j] && j >= 0)
    {
      array[j + 1] = array[j];
      --j;
    }
    array[j + 1] = temp;
  }
}

void printArray(int array[], int size)
{
  for (int i = 0; i < size; i++)
  {
    cout << array[i] << " ";
  }
  cout << endl;
}


int main()
{
  int data[] = {9, 5, 1, 4, 3};
  int size = sizeof(data) / sizeof(data[0]);

  insertionSort(data, size);
  cout << "Sorted array in ascending order: ";
  printArray(data, size);
}
```